

Author index for papers in Volume 31

Pages are numbered consecutively through the volume: 1-148, January; 149-274, March; 275-416, May; 419-510, July; 511-606, September; and 607-700, November.

- Adler, R. L.**
224 *The torus and the disk*
- Anderson, K. L., F. C. Mintzer, G. Goertzel, J. L. Mitchell, K. S. Pennington, and W. B. Pennebaker**
16 *Binary-image-manipulation algorithms in the Image View Facility*
- Astesiano, Egidio and Gianna Reggio**
512 *Direct semantics of concurrent languages in the SMO LCS approach*
- Auslander, L. and M. Shenefelt**
213 *Fourier transforms that respect crystallographic symmetries*
- Bantz, David F.**
44 see Gupta, Satish
- Bogy, D. B.**
96 see Shield, T. W.
- Brayton, R. K.**
187 *Factoring logic functions*
- Chamberlin, Donald D.**
58 *Document convergence in an interactive formatting system*
- Chen, Yi-Hsin, Frederick C. Mintzer, and Keith S. Pennington**
32 *PANDA: Processing Algorithm for Noncoded Document Acquisition*
- Ciskowski, R. D., C. H. Liu, H. H. Ottesen, and S. U. Rahman**
571 *System Identification: An experimental verification*
- Cohen, Hirsh**
158 *Applied mathematics, a national view*
- Cohen, Paul S.**
81 see Mercer, Robert L.
- Coppersmith, D.**
244 *Cryptography*
- Cowlishaw, M. F.**
73 *LEXX—A programmable structured editor*
- Cressler, J. D.**
617 see Stork, J. M. C.
- Cvetanović, Ž.**
435 *Performance analysis of the FFT algorithm on a shared-memory parallel architecture*
- Cvetanović, Ž.**
452 *Best and worst mappings for the omega network*
- Darema, F., S. Kirkpatrick, and V. A. Norton**
391 *Parallel algorithms for chip placement by simulated annealing*
- Davari, B.**
627 see Taur, Y.
- DeOrazio, William R.**
44 see Gupta, Satish
- Evangelisti, Carlo J.**
44 see Gupta, Satish
- Evans, R. C., G. Koppelman, and V. T. Rajan**
343 *Shaping geometric objects by cumulative translational sweeps*
- Farouki, Rida T.**
314 *Trimmed-surface algorithms for the evaluation and interrogation of solid boundary representations*
- Fitzgerald, W. J.**
277 see Wolfe, R. N.
- Flynn, Michael J.**
420 see Wakefield, Scott P.
- Franaszek, P. A.**
120 *Path hierarchies in interconnection networks*
- Ganin, E.**
617 see Stork, J. M. C.
- Geffken, Robert M., James G. Ryan, and George J. Slusser**
608 *Contact metallurgy development for VLSI logic*
- Gentili, Graziano**
335 see O'Connor, Michael A.
- Glimm, J. and D. H. Sharp**
169 *Numerical analysis and the scientific method*
- Goertzel, G.**
16 see Anderson, K. L.
- Goertzel, Gerald and Gerhard R. Thompson**
2 *Digital halftoning on the IBM 4250 Printer*
- Goldstine, H. H.**
154 *Reflections on the early days of the department*
- Gomory, Ralph E.**
151 *Science in industry*
- Goyal, Ambuj and Stephen S. Lavenberg**
651 *Modeling and analysis of computer system availability*

- Gracer, F.**
277 see Wolfe, R. N.
- Gupta, Satish, David F. Bantz, Paul N. Sholtz, Carlo J. Evangelisti, and William R. DeOrazio**
44 *YODA: An advanced display for personal computers*
- Hall, Jr., James E.**
665 see Scoggin, Donald M.
- Hood, S. J., R. C. Rosenberg, D. H. Withers, and T. Zhou**
382 *An algorithm for automatic identification of R-fields in bond graphs*
- Huang, Ching-Chao and Leon L. Wu**
489 *Signal degradation through module pins in VLSI packaging*
- Johnson, Ellis L.**
206 *The group problem and integer programming duality*
- Joshi, R. V.**
634 see Krusin-Elbaum, L.
- Karp, Richard M. and Michael O. Rabin**
249 *Efficient randomized pattern-matching algorithms*
- Kirkpatrick, S.**
391 see Darema, F.
- Klokholm, Erik**
585 *Delamination and fracture of thin films*
- Koppelman, G.**
343 see Evans, R. C.
- Krusin-Elbaum, L. and R. V. Joshi**
634 *Oxidation of Si-rich chemical-vapor-deposited films of tungsten silicide*
- Kurtzberg, Jerome M.**
91 *Feature analysis for symbol recognition by elastic matching*
- Kyle, J. C. Jr.**
277 see Wolfe, R. N.
- Lavenberg, Stephen S.**
651 see Goyal, Ambuj
- Lee, H. C.**
679 see Zable, J. L.
- Liu, C. H.**
571 see Ciskowski, R. D.
- Mercer, Robert L. and Paul S. Cohen**
81 *A method for efficient storage and rapid application of context-sensitive phonological rules for automatic speech recognition*
- Meshkat, Siavash N. and Constantine M. Sakkas**
373 *Voronoi diagram for multiply-connected polygonal domains II: Implementation and application*
- Mintzer, F. C.**
16 see Anderson, K. L.
- Mintzer, Frederick C.**
32 see Chen, Yi-Hsin
- Mitchell, J. L.**
16 see Anderson, K. L.
- Morgan, Carroll and Ken Robinson**
546 *Specification statements and refinement*
- Moy, D.**
627 see Taur, Y.
- Nackman, Lee R.**
361 see Srinivasan, Vijay
- Norton, V. A.**
391 see Darema, F.
- O'Connor, Michael A. and Graziano Gentili**
335 *Simple unit vectors orthogonal to a given vector*
- Odeh, F.**
178 *Some stability techniques for multistep methods*
- Ottesen, H. H.**
571 see Ciskowski, R. D.
- Patton, G. L.**
617 see Stork, J. M. C.
- Pennebaker, W. B.**
16 see Anderson, K. L.
- Pennington, K. S.**
16 see Anderson, K. L.
- Pennington, Keith S.**
32 see Chen, Yi-Hsin
- Pickover, Clifford A.**
111 *DNA vectorgrams: Representation of cancer genes as movements on a 2D cellular lattice*
- Pippenger, Nicholas**
235 *The complexity of computations by networks*
- Rabin, Michael O.**
249 see Karp, Richard M.
- Rahman, S. U.**
571 see Ciskowski, R. D.
- Rajan, V. T.**
343 see Evans, R. C.
- Reggio, Gianna**
512 see Astesiano, Egidio
- Requicha, Aristides A. G.**
296 see Rossignac, Jaroslaw R.
- Rivlin, T. J.**
162 *A view of Approximation Theory*
- Robinson, Ken**
546 see Morgan, Carroll
- Rosenberg, R. C.**
382 see Hood, S. J.
- Rossignac, Jaroslaw R. and Aristides A. G. Requicha**
296 *Piecewise-circular curves for geometric modeling*
- Ryan, James G.**
608 see Geffken, Robert M.
- Sai-Halasz, G. A.**
617 see Stork, J. M. C.
- Sakkas, Constantine M.**
373 see Meshkat, Siavash N.
- Scoggin, Donald M.**
665 *Ferroresonance*
- Sharp, D. H.**
169 see Glimm, J.
- Shenefelt, M.**
213 see Auslander, L.
- Shield, T. W., D. B. Bogy, and F. E. Talke**
96 *Drop formation by DOD ink-jet nozzles: A comparison of experiment and numerical simulation*
- Sholtz, Paul N.**
44 see Gupta, Satish
- Sitaram, Dinkar**
475 *The inconsistency index method for estimating the accuracy of Schweitzer's approximation*
- Slusser, George J.**
608 see Geffken, Robert M.
- Smolka, Scott A. and Robert E. Strom**
556 *A CCS semantics for NIL*

- Srinivasan, Vijay** and Lee R. Nackman
361 *Voronoi diagram for multiply-connected polygonal domains I: Algorithm*
- Stapper, C. H.**
641 *Correlation analysis of particle clusters on integrated circuit wafers*
- Stone, Harold S.** and Janice M. Stone
464 *Efficient search techniques—An empirical study of the N-Queens Problem*
- Stone, Janice M.**
464 see Stone, Harold S.
- Stork, J. M. C.,** E. Ganin, J. D. Cressler, G. L. Patton, and G. A. Sai-Halasz
617 *Electrical and microstructural investigation of polysilicon emitter contacts for high-performance bipolar VLSI*
- Strom, Robert E.**
556 see Smolka, Scott A.
- Sun, J. Y.-C.**
627 see Taur, Y.
- Takagi, Hideaki**
484 *Exact analysis of round-robin scheduling of services*
- Talke, F. E.**
96 see Shield, T. W.
- Taur, Y.,** B. Davari, D. Moy, J. Y.-C. Sun, and C. Y. Ting
627 *Study of contact and shallow junction characteristics in submicron CMOS with self-aligned titanium silicide*
- Thompson, Gerhard R.**
2 see Goertzel, Gerald
- Ting, C. Y.**
627 see Taur, Y.
- Wakefield, Scott P.** and Michael J. Flynn
420 *Reducing execution parameters through correspondence in computer architecture*
- Wesley, M. A.**
277 see Wolfe, R. N.
- Withers, D. H.**
382 see Hood, S. J.
- Wolfe, R. N.,** M. A. Wesley, J. C. Kyle, Jr., F. Gracer, and W. J. Fitzgerald
277 *Solid modeling for production design*
- Woodcock, J. C. P.**
535 *Transaction processing primitives and CSP*
- Wu, Leon L.**
489 see Huang, Ching-Chao
- Yashchin, Emmanuel**
199 *Some aspects of the theory of statistical control schemes*
- Zable, J. L.** and H. C. Lee
679 *Font design for high-speed impact line printers*
- Zhou, T.**
382 see Hood, S. J.